Haier

29F3A

COLOUR TV RECEIVER

OWNER'S MANUAL

MAIN FUNCTIONS

- Multiple picture & audio modes
- Child lock, sleep timer
- Surround stereo, treble and bass boost
- Program scan & program swap
- Noise reduce
- Black stretch
- Fastext

Please read this manual carefully before using this TV set and keep it for future reference.

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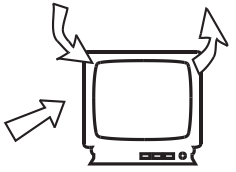
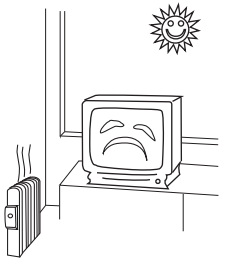
Warning and cautions

1. When you clean the TV set, please pull out the power plug from AC outlet. Don't clean the cabinet and the screen with benzene, petrol and other chemicals.

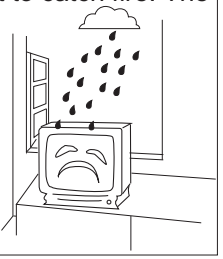
2. In order to prolong the using life of the TV set, please place it in a well ventilated location.



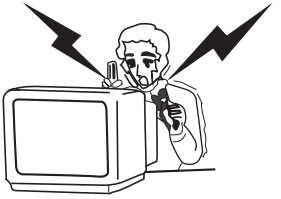
3. Don't place the TV set in direct sunlight or near a heat source.



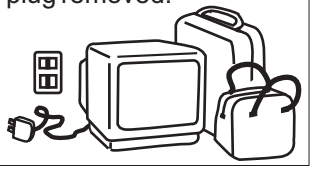
4. Do not place the TV set near rain or moisture as it may cause an electric shock, or the TV set to catch fire. The TV set must only be used in dry in door locations.



5. The back cover must only be removed by a registered electrical service person. Removing the back cover may result in electric shock, fire or damage to the TV set.



6. If the TV set is not going to be used for a long time, or there is a severe thunder & Lighting storm, it is recommended that the TV set be disconnected from the AC power outlet and the aerial plug removed.



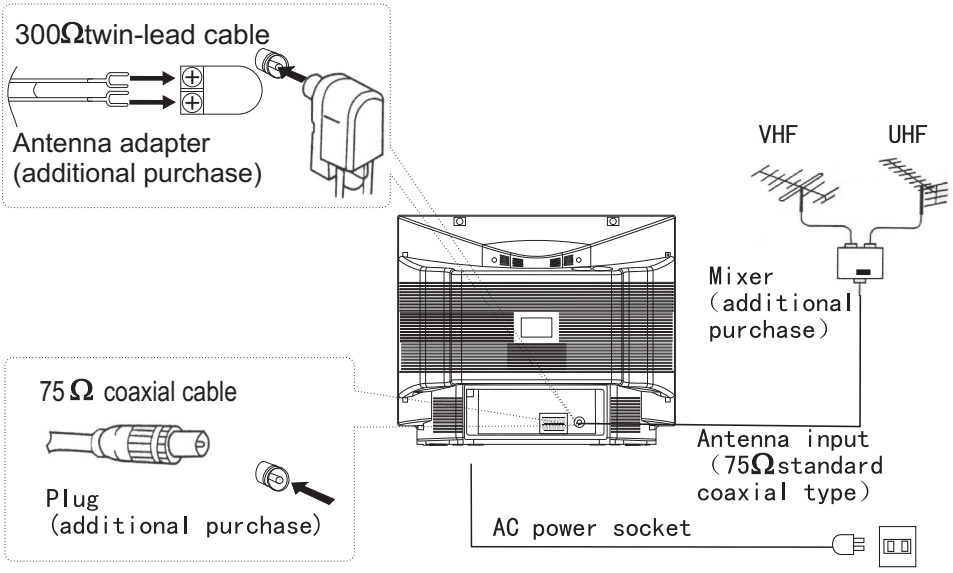
Explanation on the display tube

Should the picture tube require cleaning, disconnect the power and use a dry soft cotton cloth. Do not use any cleaner or abrasive cloths.

Installation

Aerial connection

For an optimum high quality picture, it is strongly advised that the TV set connect to an external aerial(s) using high quality coax cable. When connecting to HiFi VCRs, satellite (or cable) set top boxes, that the AV terminals are used to allow the stereo sound to be transferred. For optimum picture performance with satellite decodes' use a RGB ready SCART cable and set the decoder to an RGB output.



Preparation of the remote control unit

Battery installation

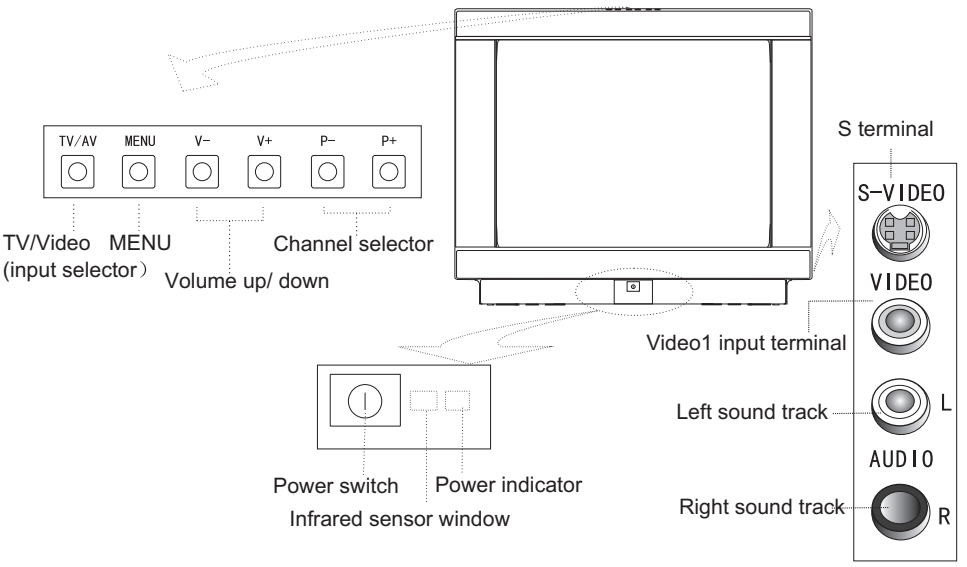
Take off the battery compartment cover. Place two AA batteries, make sure that battery polarity matches with the +/- mark inside the battery compartment.

Operation notes for the remote control unit

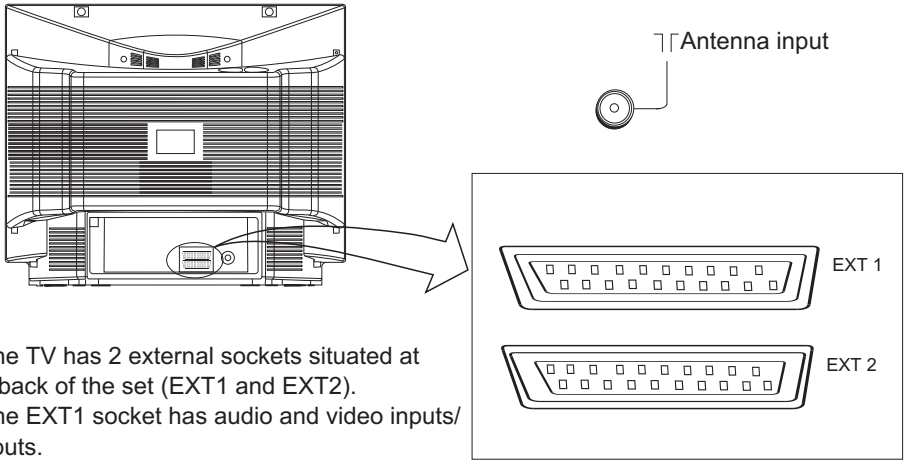
- Under normal conditions, the life time of batteries is one year.
- If you don't intend to use the unit for a long period or the electricity of the batteries is used up, remove the batteries to prevent batteries acid from leaking into the battery compartment.
- Never place batteries in a fire.
- Avoid dropping the remote control and/or getting it wet.

Function buttons and external sockets

Front and side panel of the TV set



Rear panel of the TV set



The TV has 2 external sockets situated at the back of the set (EXT1 and EXT2).

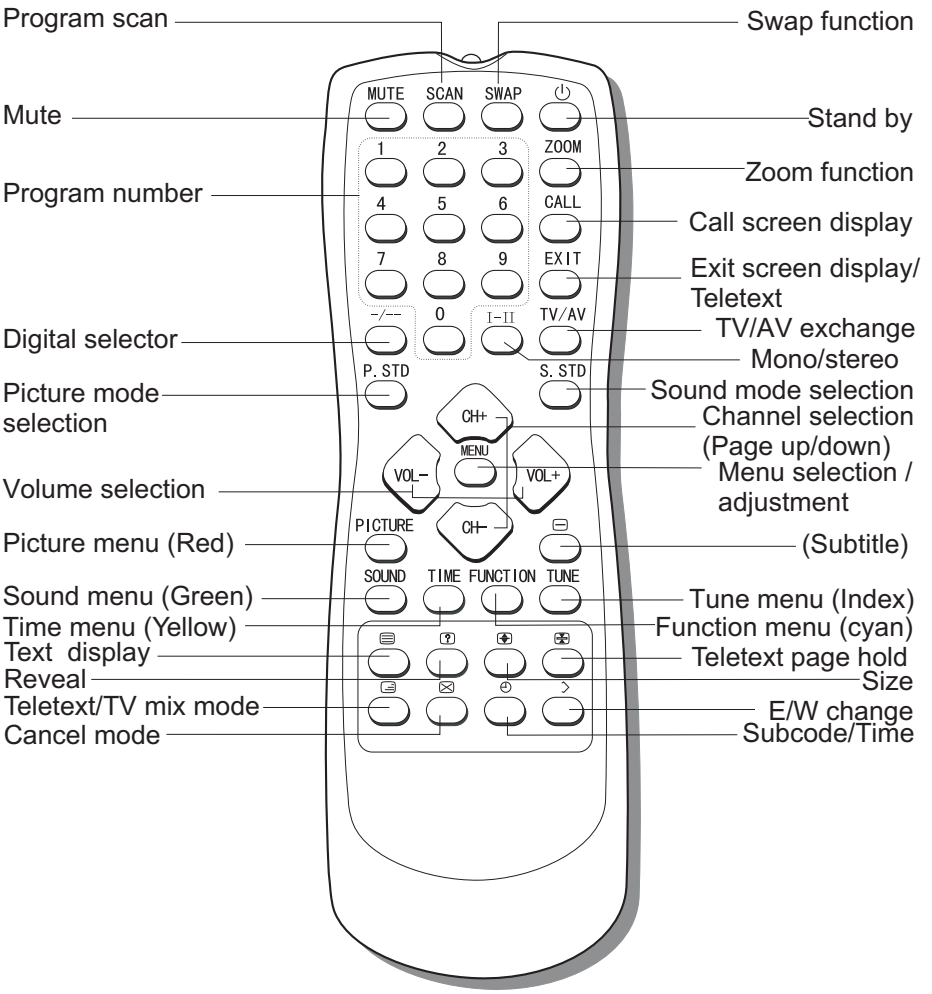
The EXT1 socket has audio and video inputs/ outputs.

The EXT2 socket has audio and video inputs.

*Connect either the S-terminal input terminal, VIDEO input terminal or the external socket, whichever is used. Do not connect both of these terminals.

NOTE If you want to connect the TV set to the other audio/video equipment, please refer to P25.

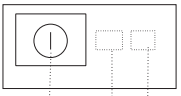
Buttons on the remote control



Switching on/ off the TV set

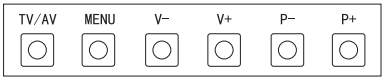
•In the following, the methods of using power switch and remote controller to switch on/off power supply for the TV set will be explained.

Switching on/ off the TV set



Power switch Power indicator

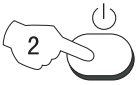
Infrared sensor window



TV/Video (input selector) MENU

Volume up/ down

Channel selector



Switching on/ off the TV set

1 Please press the power switch to switch on AC power supply and the power indicator will light.

2 If the indicator is lighting in red, press the button ⏻ on the remote control again.

Note：

1 When you don't operate the TV set with a remote control, you can turn on it directly through pressing the P+/- buttons on the TV set (Child Lock must be turned off).

4
AUTO
DK
144.25MHz

2 If you want to exchange to standby status, please press down the button ⏻ on the remote control.

3 If you want to fully switch off the power supply for the TV set, please press the power switch button on the TV set.

Auto switch-off function

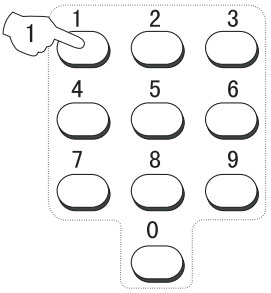
When the "Back" function is on, if an empty channel is selected or the TV programs are ended for the day, the power will be switched off 5 minutes later automatically. If the "OFF TIME" is on, it will be switched off according to the presetting time. The auto power off function does not work under video input or when the background is off.

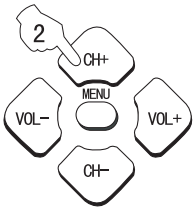
(Note: If the "off timer" is less than 5 minutes, it will be switched off automatically to the preset Time.)

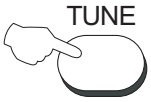
Watching TV

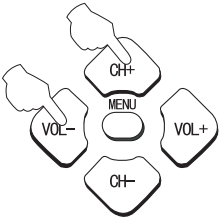
- You can watch TV program in a preset channel.

Watching TV program









How to select TV program

Select the desired program

1 Using "Program number" buttons

- Directly enter the channel number with the numeric keypad on the remote control.
- To select channel numbers from 10 ~ 99 press [-/--] button and enter the two digit channel number
  To select channel numbers from 100 ~ 218 press [-/--] button
- twice and enter the 3 digit channel number

2 Using the CH+/- buttons

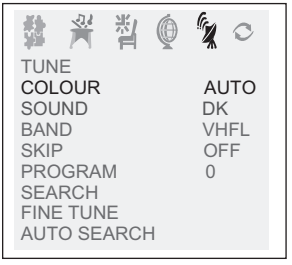
- Press the CH+ button to select a channel number in number increasing direction.
- Press the CH- button to select a channel number in number decreasing direction.

Select the desired sound

Press the VOL-/+ buttons on the remote or the front of the TV set to adjust the volume level. The range is 0~99. When the volume buttons are pressed the volume level is displayed automatically on the TV screen.

If the colour or sound of a channel is abnormal

Usually this should be set in the Auto position. However if the colours displayed on the screen are incorrect you can manually select the correct colour system. When finish remember to turn it back to auto again so that other programs will still work correctly. To select the colour change option press the TUNE button on the remote control.



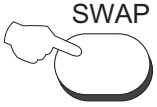
- If picture colour is abnormal
  Use the CH+/- buttons to select Colour then the VOL-/+ buttons to change between Auto, PAL, NTSC, SECAM and NTSC443. Press the EXIT button to save the setting.
- If the picture sound is abnormal
  Use the CH+/- buttons to select Sound then press the VOL-/+ buttons to select the sound system.
  （In general, DK, BG will display in turn.）

- Swap function enables quick swap to the last watched program.
- Auto scan function enables automatic successive scanning of all the programs in memory with "OFF" skip status (each channel will last about 2 seconds).

Program swap and auto scan functions

Program swap

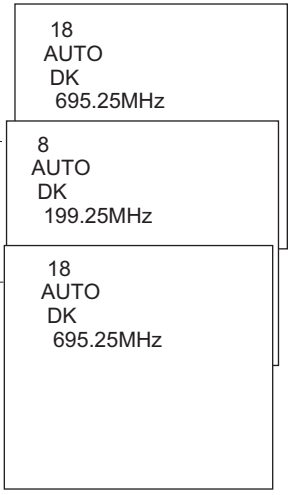
SWAP



1 Suppose the channel number you used just now is 8 and the channel number you are using is 18 (as shown in the figure).

2 If you want to return to the last watched program channel 8, you can simply press the SWAP button.

3 If you want to return to channel 18, press the button again. Through this function, you can easily change between the channel you are using and the channel you used last time.

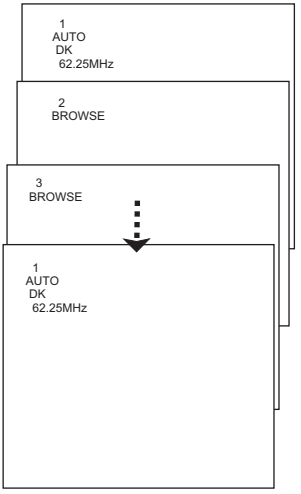


Auto program scan

SCAN

1 If you want to select a desirable program, you may scan all the TV programs in memory. You can simply press the SCAN button to do this. The program numbers will appear one after another from beginning to end (each channel number will last about 2 seconds).

2 If you want to stop the function during auto scanning, simply press the SCAN button again.

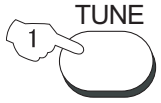


Searching channel

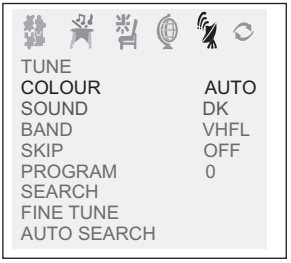
- This TV set has three methods to set the channels, which are respectively full automatic, semi-automatic and manual fine tune.
- In this section, how to use the remote control to set the channel is explained. You can also use the buttons on the TV set to set channel.

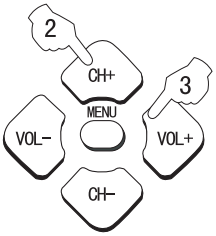
Full automatic mode

Automatic search

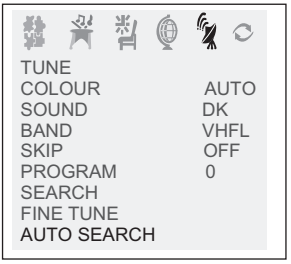


1 Press the TUNE menu button , till the TUNING menu shown on the right display on the screen.

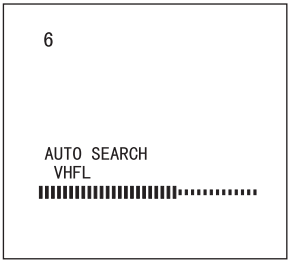




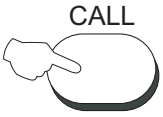
2 Press the CH+/- buttons to select "AUTO SEARCH".



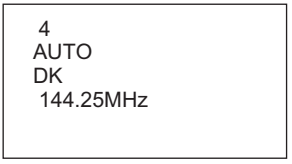
3 Press the VOL+ button to ensure automatic search function operates. All channels now playing program will be automatically preset in order . After the search has finished, the first program number will display on the screen.



Display function



Press the CALL button, then the channel number and the systems will be displayed on the screen.

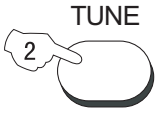


Searching channel
（Continued）

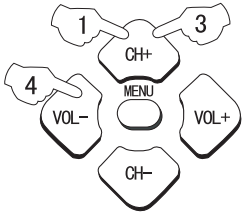
Semi-automatic search

Semi-automatic search

1 Press the CH+/- buttons or PROGRAM NUMBER（0-9）buttons to choose desired channels（I.E. channel 1 ）.

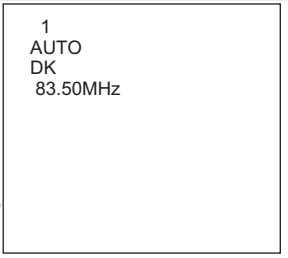


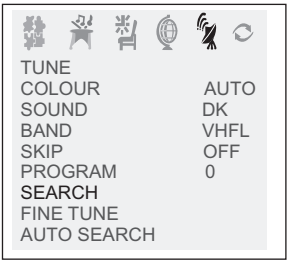
2 Press the TUNE menu button , till the TUNING menu shown on the right display on the screen.

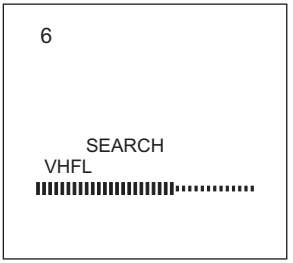


3 Press the CH+/- buttons to select " SEARCH".

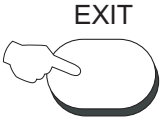
4 Press the VOL-/+ buttons to start searching.
The VOL-（down）button is used for lower side program search.
The VOL+（up）button is used for higher side program search.
Repeat this step, till find the desired channel.







To turn off the on-screen menu



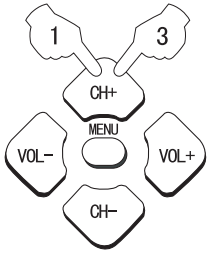
In general, after you press the MENU button, the menu item display (PICTURE, SOUND, TIME, FUNCTION, TUNE, EXCHANGE, ETC.) will automatically disappear within 15 seconds. If you want to eliminate these contents immediately, please press the EXIT button.

Searching channel
（**Continued**）

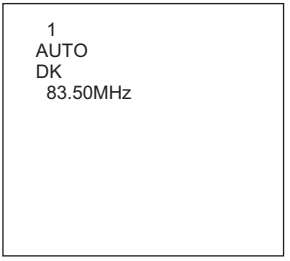
Manual fine tune

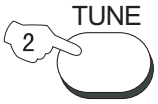
Manual fine tune

If the picture and/or sound are poor, try using the FINE TUNE feature. Do not use this feature unless reception is poor.



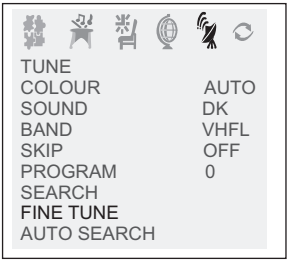
1 Press the CH+/- buttons or PROGRAM NUMBER（0-9）button to choose desired channels（I.E. channel 1 ）.

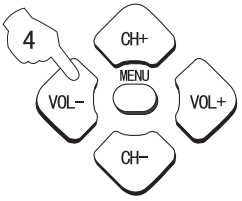




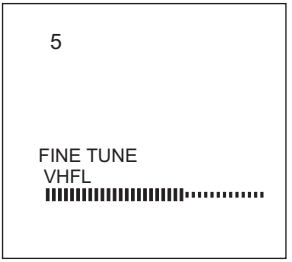
2 Press the TUNE menu button , till the TUNING menu shown on the right display on the screen.

3 Press the CH+/- buttons to select " FINE TUNE".

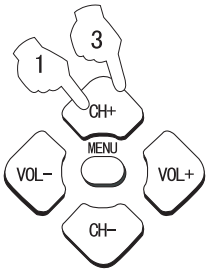


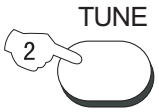


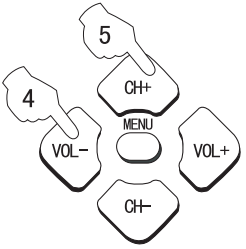
4 Press the VOL-/+ buttons all through to carry out fine tune, till the best picture and sound are obtained.



Program skip



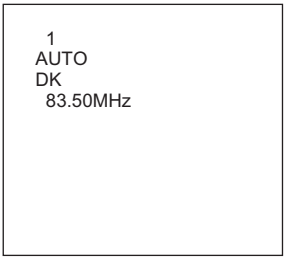




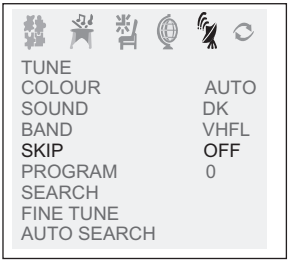
Program skip

The Program skip feature enables you to skip/hide programs that you do not wish to be displayed when using the CH+/- buttons. These channels will still be displayed by directly using the channel number buttons on the remote control.

1 Press the CH+/- buttons or PROGRAM NUMBER（0-9） button to choose desired channels（I.E. channel 1）.

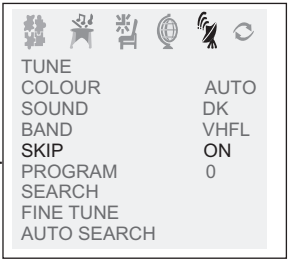


2 Press the TUNE menu button , till the TUNING menu shown on the right display on the screen.



3 Press the CH+/- buttons to select "SKIP".

4 Press the VOL-/+ buttons to turn the SKIP function "ON".



5 Press the TUNE button to close the menu. When you use the CH+/- buttons to select channel, this channel will be skipped. However, you can still use the PROGRAM NUMBER buttons to select the skipped channel numbers.

If you want to recover the skipped channel

1 Use the PROGRAM NUMBER buttons to select the channel number to be recovered.
2 Repeat those steps just now.
3 Press the VOL-/+ buttons to turn the SKIP function "OFF".

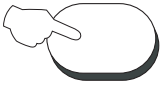
Convenient picture and sound control functions

Multiple picture modes

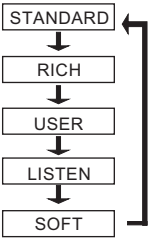
How to select picture modes

You can quickly select the desired picture mode from four preset modes and one customized mode.

P.STD



Press the P.STD button to select the desired picture quality. Five kinds of picture modes (i.e., "STANDARD", "RICH", "USER","LISTEN", "SOFT") can be selected in turn.



The 5 modes are

Listen-This is a new feature that blacks out the TV screen when listening to music only channels;

Soft-Designed for night time low light viewing;

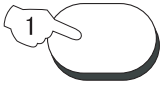
Standard -Designed for rooms that have good all round lighting;

Rich-Designed for rooms with high ambient lighting such as daytime sport;

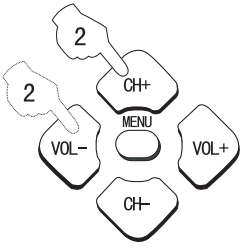
User-A spare setting that can be adjusted to personal tastes.

How to customize your own picture status

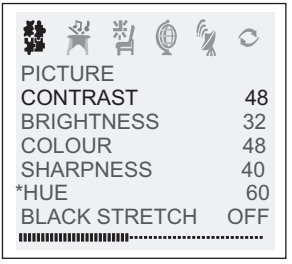
PICTURE



1 Press the PICTURE menu button , till the PICTURE menu shown on the right display on the screen.



2 Press the CH+/- buttons to select the item to adjusted, then press the VOL-/+ buttons to obtain the desired effect.



ITEM	Press VOL-	Press VOL+
CONTRAST	Weak	Strong
BRIGHTNESS	Dark	Bright
COLUOR	Shallow	Deep
SHARPNESS	Soft	Sharp
*Hue	lean to purple	lean to green

Note:
The "Hue" item only appears when the colour system is NTSC.

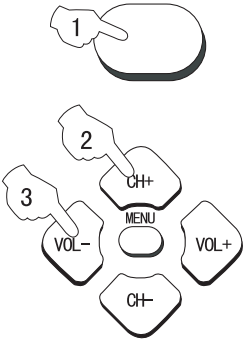
Convenient picture and sound control functions

（**Continued**）

- Black Stretch-(Automatically Increases the Contrast Rage)
- Noise Reduce - (Picture Noise & Grain Reduction Circuit. Only use on poor reception.)

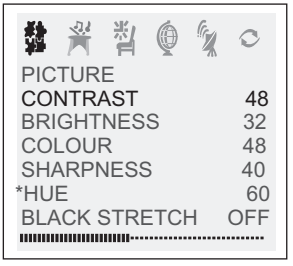
Black stretch and noise reduce

PICTURE



How to select BLACK STRETCH

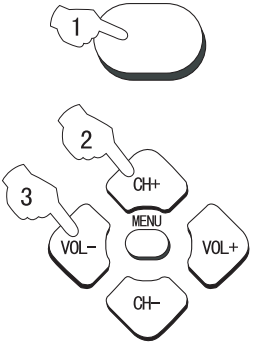
1 Press the PICTURE menu button , till the PICTURE menu shown on the right display on the screen.



2 Press the CH+/- button to select "BLACK STRETCH".

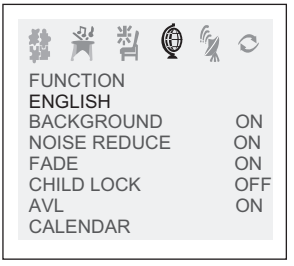
3 Press the VOL-/+ buttons to turn the BLACK STRETCH function "ON" or "OFF".

FUNCTION



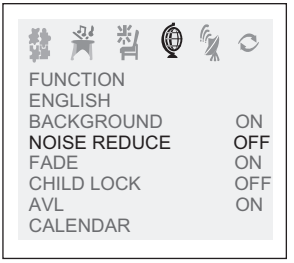
How to select NOISE REDUCE

1 Press the FUNCTION menu button, till the FUNCTION menu shown on the right display on the screen.



2 Press the CH+/- buttons to select "NOISE REDUCE".

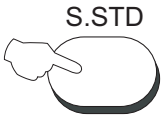
3 Press the VOL-/+ buttons to turn the NOISE REDUCE function "ON" or "OFF".



Convenient picture and sound control functions

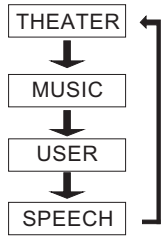
（**Continued**）

Multiple audio modes



How to choose sound mode

Press the S.STD button to select the desired sound quality. There are 4 sound modes (i.e., "THEATER", "MUSIC","USER" and "SPEECH") can be selected in turn.



The 4 modes are:

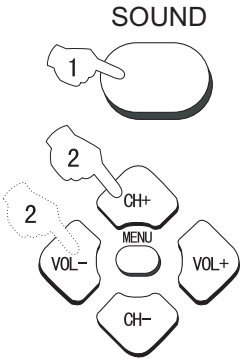
Speech-Designed to reduce the bass and treble which enhances the voice for news programs;

Theatre-Enables extra bass and treble to enhance the movie experience;

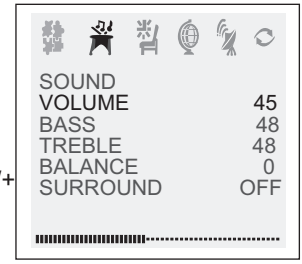
Music-Adjust the sound to best suit music programs;

User - A spare setting that can be adjust to personal tastes.

How to customize you own sound quality



1 Press the SOUND menu button , till the SOUND menu shown on the right display on the screen.



2 Press the CH+/- buttons to move select the item to be adjusted, then press the VOL-/+ buttons to obtain the desired effect.

ITEM	Press VOL-	Press VOL+
VOLUME	Weak	Strong
BASS	Weak	Strong
TREBLE	Weak	Strong
BALANCE	R down	L down

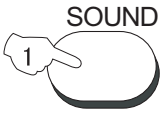
Note:

Adjust the level of the BALANCE item in the USER mode, when only one speaker sounds.

Convenient picture and sound control functions

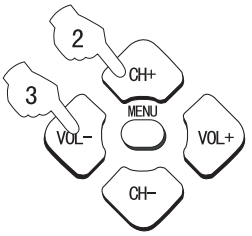
（Continued）

Surround and mute functions

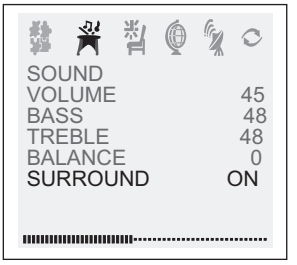


How to use surround

1 Press the SOUND menu button , till the SOUND menu shown on the right display on the screen.

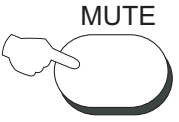


2 Press the CH+/- buttons select "SURROUND" , then press the VOL-/+ buttons to turn the SURROUND "ON".

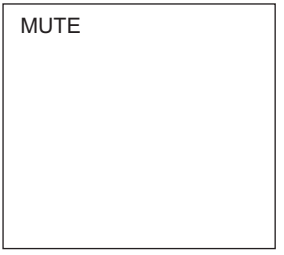


3 Press the CH+/- buttons select WOOFER VOL, then press the VOL-/+ buttons to obtain the desired effect.

Sound mute



1 Press the MUTE button on the remote control and "MUTE" type face will display on the lower part of the screen. At this time, the sound of the TV set is turned off.

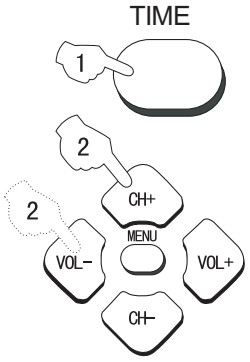


2 If you want to recover the sound, press the MUTE button again or directly press the VOL-/+ buttons.

Time functions

Clock setting and timer on/off functions

Clock setting



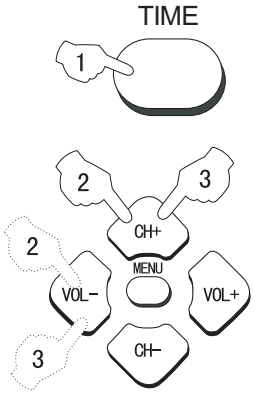
The clock will only work if the TV set if left turned on or in standby. When the set is disconnect from the power supply or is turned off by the main power on the front panel, the clock loses power and will need to be reset when the power is reconnected.

1 Press the TIME menu button, and the TIME menu display on the screen.

2Press the CH+/- buttons select "CLOCK", then press the VOL -/+ buttons to adjust the time in hour position; press again the CH+/- buttons to select the time in minute position, then press the VOL -/ +buttons to adjust the value of minutes .

On/off timer

Using on/off timer function, the TV set can automatically turn on to a preset program or shut down in a preset time.



1 Press the TIME menu button to call up the TIME menu on the screen.

2 Press the CH+/- buttons to select "ON TIME", then press the VOL -/+ buttons to set the value in hour position; press again the CH+/- buttons to select the minute position and set the value of the minute.(take 18:00 as an example)

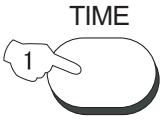
3 Press the CH+/- buttons to select "ON PROG", then press the VOL-/+ or program direct number buttons to select your desired channel (take 8 as an example).

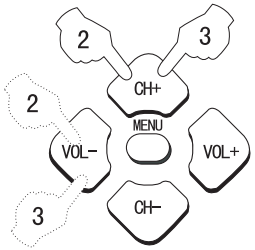
4 Repeat step 1-2 to set OFF TIME.(take 23:00 as an example)

Time functions
（**Continued**）

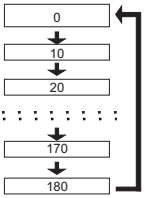
Sleep timer and program preset

Sleep timer





The TV set have 18 sections option for sleep timer function (each section has a time interval of 10 minutes) (See right chart):



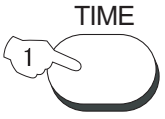
1 Press the TIME menu button, and the TIME menu display on the screen.

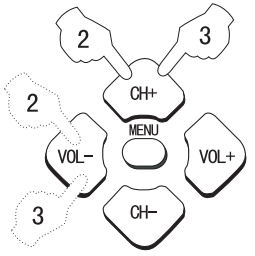
2 Press the CH +/- buttons to select "SLEEP TIMER".

3 Press the VOL -/+ buttons to adjust the SLEEP TIMER level.

REMIND PROG function

Program remind timer, that displays an on-screen reminder prompt, when a program on a different channel is due to start.





1 Press the TIME menu button to call up the TIME menu on the screen.

2 Press the CH +/- buttons to select "REMIND TIME", then press the VOL -/+ buttons to set the value in hour position; press again the CH+/- buttons to select the minute position, and then set the value of the minute.(take 19:00 as an example)

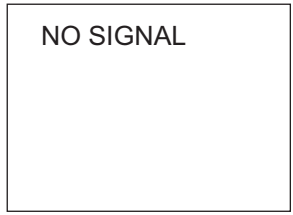
3.Press the CH+/- buttons to select "REMIND PROG", then press the VOL -/+ buttons or the program direct number buttons to set the desired channel (take 18 as an example).

NOTE: For REMIND PROG to operate CHILD LOCK must be turned off.

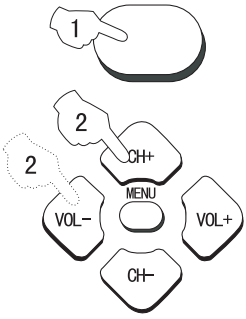
Screen saver and childlock functions

How to start screen saver function

When the BACKGROUD function is ON, the screen will turn automatically as shown "NO SIGNAL" of moving (black background).

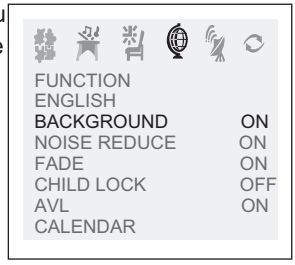


FUNCTION



1 Press the FUNCTION menu button, till the FUNCTION menu shown on the right display on the screen.

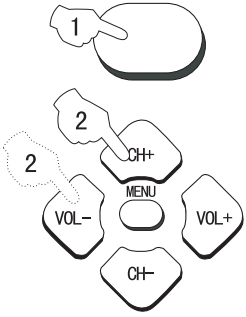
2 Press the CH+/- buttons to select "BACKGROUND" and press the VOL-/+ buttons to turn the BACKGROUND function "ON" .



Child lock function

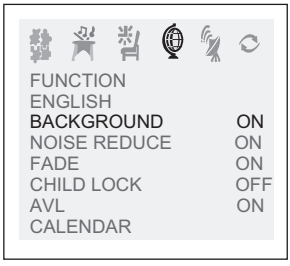
Enables the TV front control buttons to be locked.

FUNCTION



1 Press the FUNCTION menu button, till the FUNCTION menu shown on the right display on the screen.

2 Press the CH+/- buttons to select "CHILD LOCK" and press the VOL-/+ buttons to turn CHILD LOCK function "ON" .



NOTE:
All the control panel buttons on the front of the TV are disabled when CHILD LOCK is turned on. The power switch will still turn the TV set off.

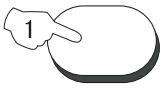
Set up function
（**Continued**）

AVL and calendar functions

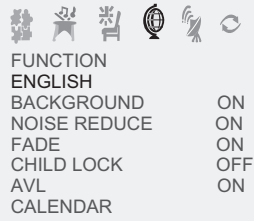
AVL function

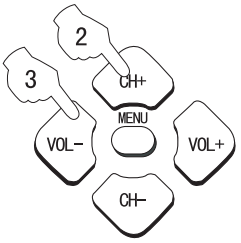
Automatic Volume Limit control reduces effect of large volume changes such as when the ads come on.

FUNCTION



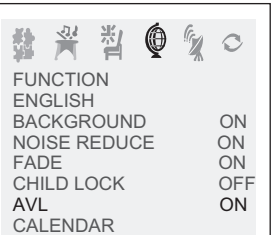
1 Press the FUNCTION menu button, till the FUNCTION menu shown on the right display on the screen.





2 Press the CH+/- button to select "AVL" .

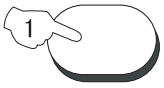
3 Press VOL-/+ button to turn the AVL function "ON" or "OFF."



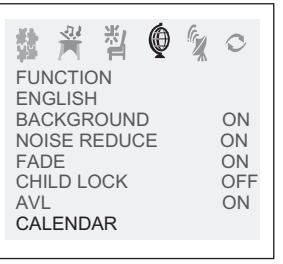
Calendar function

Enables the TV sets internal calendar to be set.

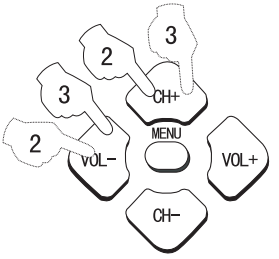
FUNCTION



1 Press the FUNCTION menu button, till the FUNCTION menu shown on the right display on the screen.



2 Press the CH+/- button to select "CALENDAR" , then press the VOL-/+ buttons to the CALENDAR display on the screen.

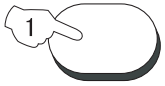


3 Press the CH+/- buttons to turn the YEAR/MONTH/DAY, press VOL-/+ buttons to set or adjust the YEAR/MONTH/DAY.

Set up function
（**Continued**）

Fade and select a language

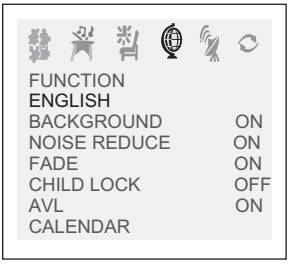
FUNCTION



Fade

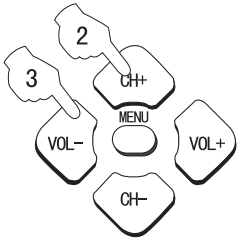
The FADE control allows time for the picture tube to warm up and gently turned on, which can help prolong the life of the picture tube.

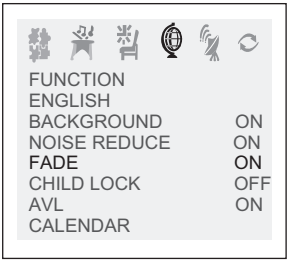
1 Press the FUNCTION menu button, till the FUNCTION menu shown on the right display on the screen.



2 Press the CH +/- buttons to select "FADE".

3 Press the VOL-/+ button to turn the FADE function "ON" or "OFF."





Select a language

1 Press FUNCTION menu button, till FUNCTION menu shown on the right display on the screen.

2 Press the CH+/- buttons to select "ENGLISH".

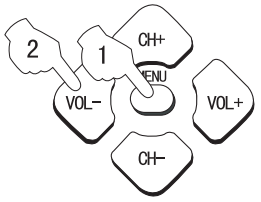
3 press the VOL-/+ buttons to select the desired language. Then all the items will be displayed in the selected language.

Position exchange functions

Exchange

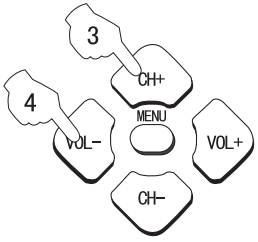
Exchange

This feature enables TV programs that may be on a wrong TV channel number to be swapped/exchanged. This feature is very useful when Automatic Search Tuning has been used, to reallocate the found programs to the correct channel numbers.



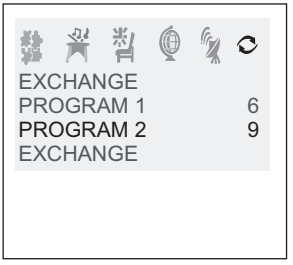
1 Press the MENU button again (6 times), till the EXCHANGE menu display on the screen.

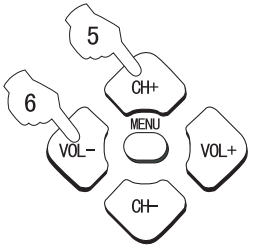
2 Press the VOL-/+ buttons or the PROGRAM NUMBER（0-9）buttons to set PROGRAM 1 TO 6.



3 Press the CH-/+ buttons to select " PROGRAM 2".

4 Press the VOL-/+ buttons or the PROGRAM NUMBER（0-9）buttons to set PROGRAM 2 TO 9.





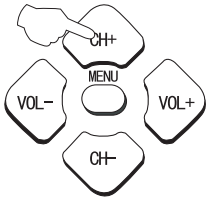
5 Press the CH+/- buttons to select "EXCHANGE".

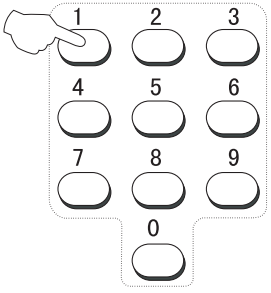
6 Press the VOL-/+ buttons to set "EXCHANGE".

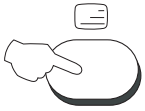
Teletext

- Teletext is an information system, broadcast by certain channels, which can be read like a newspaper . It also provides subtitles for people with hearing difficulties or those who are unfamiliar with the language in which a particular program is being broadcast (cable networks, satellite channels, etc.).

Teletext







Teletext functions

You can press TELETEXT button into TELETEXT mode, press again to leave TELETEXT mode. All menu related functions are not available in TELETEXT mode. Only a few direct button control functions are available in TELETEXT mode, they are:

- Volume adjustment, but without OSD display.
- Mute function, but without OSD display.

Page up/down

Use the CH+/- buttons to browse next or previous page.

Page number entering

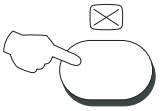
To select a teletext page either directly enter the page number using the numeric key pad on the remote control or use the CH+/- buttons, or the coloured Fast Text buttons.

Mix mode

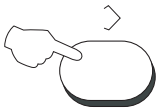
While in Teletext mode press the button will show the teletext data superimposed on top of the TV picture. Press the button again to revert back to Full text.

Teletext
(Continued)

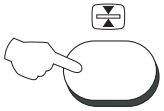
Teletext



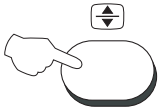
Cancel mode
This feature allows the TV picture to be displayed while next page to be searched is entered and found. Only the top teletext line is displayed until the page is found. Press the button to hide the teletext information. Either press the button or the Text button to exit the cancel display mode.



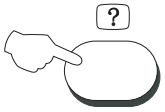
Language change
Pressing the button will change the Teletext characters .



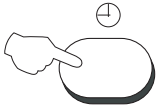
Hold
Pressing the button will stop the teletext page automatically updating. This feature is very useful where there are several teletext pages or data on the same page number.



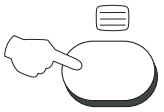
Size
Pressing the button changes between full screen top half bottom half full screen. This feature is very useful as it magnifies the image making the characters easier to read.



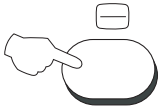
Reveal
Pressing the button will reveal hidden text. This feature is used to reveal information such as answers to Teletext on-line interactive puzzles.



Subcode / Time
While in normal TV mode only, pressing the button will display the teletext time in the top right hand corner for a few seconds



Switch teletext on/off
Press the button on the remote control to turn teletext On/Off.

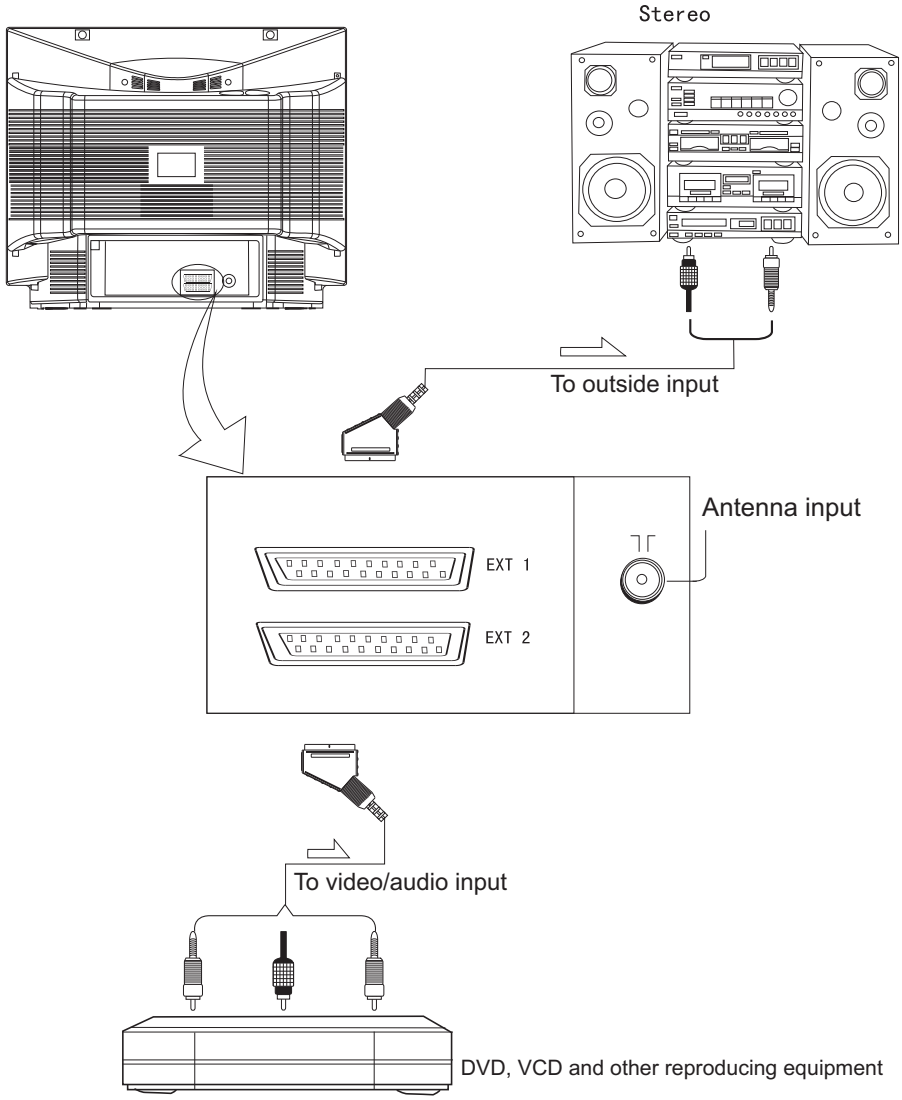


Subtitle
Pressing the button will get the teletext decoder to automatically search for the subtitle page. In NZ the subtitle is usually page 801.

Fast text coloured buttons
Fast text automatically displays the four most commonly used pages that the broadcaster thinks that you may want to choose next. Press the same coloured button on the remote control as the coloured link at the bottom of the teletext page to go directly to that page.

Connecting to the other video and audio equipment

You can connect a stereo to the AUDIO output terminals on the TV set to enjoy higher quality sound. VIDEO and AUDIO output terminals output the video and audio signals being monitored by the TV set. The electric levels of video and audio output signals are fixed.



Troubleshooting guide

- To assist in location possible faults use help guide below.

BREAKDOWN PHENOMENON		CHECKING
PICTURE	SOUND	
Picture with snow	Noise	The aerial direction and connection
Double or Triple Image	Normal	This is called ghosting which can be minimized with an outside aerial, and good quality cable and terminations. Altering the aerial direction can also minimize this effect.
Disturb	Noise	Electrical interference which can be caused by cars, motorbikes etc, Fluorescent lamps and dirty insulators on overhead power cables.
Normal	No sound or 1 speaker no sound	1. Volume Sound mute. 2. Only 1 speaker has no sound. Press S.STD button to choose USER mode, then check wether the BALANCE item value in SOUND menu equal to 0. Adjust the BALANCE item in SOUND menu as you wish in USER mode.
No Picture	No sound	Ensure that the power supply is connected to the TV set and turned on. Also ensure that the TV set is not in "Listen Mode" or that the brightness and contrast are not turned down.
No colour	Normal volume	Adjust colour control
Scramble	Normal or Weak Volume	Adjust channel again
Colour Spot	Normal volume	Colour Purity fault which can be caused by moving the TV set, placing magnets near the TV screen or turning on/off house hold appliances such as vacuum cleaners near the TV set. Turn the TV off with the mains power switch for 15 minutes. When the power is turn on again the TV set will automatically degauss the picture. In server cases leave the TV set turned off over night.

Note:

1.If the fault can not be repaired using the above guide consult with your local authorized service center.

2.The TV set must only be repaired by a qualified registered service person. Never attempt to remove the back cover as the TV set has dangerous voltages in side that may cause a fatally or fire.

3. The cabinet may produce the occasional "snapping sound" This is normal and caused by the materials in the cabinet expanding with room temperature changes.

Specifications

Model	29F3A
Colour system	AUTO，PAL，SECAM
Sound system	BG , DK
Display tube	29" pure flat CRT
Sound output power	5W+5W
Power supply	AC 180-250V 50Hz
Power consumption	≤150W
Size（mm）	724（width）x550（depth）x600（height）（mm）
Supplied accessories	Remote control X1 Owner's manual X1 Battery(AA) X2

*The design and specifications may be changed without notice.

Haier

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